

LIFE WITHIN LIFE.

HOSTILE ARMIES OF MICROSCOPIC ORGANISMS WITHIN MEN'S BODIES.

M. Pasteur's and Rival Theories—What Vaccination Can Teach Us—Is Medicine an Exact Science?—How Disease is To Be Conquered.

All are agreed now that disease is, in great part, at least due to the presence in the body of what are known as microbes. These microbes are minute microscopic animal organisms, which get into the body either from the atmosphere or by other means and produce the diseased state. The point upon which medical men differ is the exact manner in which they act on the cells of the human body.

Mr. Pasteur, with whom is associated Mr. Tyndall, the celebrated English naturalist, is convinced that their injurious effect is due to their destruction of a certain portion of cell matter which they call the pabulum. Now the theory upon which they, therefore, propose to give immunity from disease is to introduce into the body another set of similar microbes, which will destroy just the same pabulum, but without the injurious effects on the system which are produced by the disease germs.

The principal fact upon which this theory proceeds is that in the infusion principle of hay and cheese, which are known as culture fluids, it has been observed that after a certain time, and when the animalcules have increased to a certain number, they cease to increase and begin gradually to die out for want of nourishment; hence it is concluded that by introducing into the human body a germ, as in the case of vaccination, which is comparatively harmless, the pabulum may be exhausted and the system rendered impervious to the attack of the disease germ.

THEORIES OF KLEBS AND KLINE.
On the other hand, the German physicians, Klebs and Kline, proceeding upon the same facts, affirm that immunity from disease is obtained by means of the excrement left by the animalcules in the human frame. They proceed on the well-known fact that no species or similar species can live in its own excrement, and affirm that the immunity from disease enjoyed by those who have once suffered from a particular trouble, or who have been inoculated with the germs of a similar nature to that which produces the trouble, is due to this excrement.

Both these schools draw largely from the facts observed in the cases of small-pox, and the immunity from its effects, which is obtained by the introduction into the system of the vaccine virus, a microbe of very similar nature to that of the small-pox germ itself.

The next school, likewise depending to a considerable extent on the same observations, is that which is known as the vital theory. According to this account the microbes produce disease by depriving the cells of the human body of the oxygen which is necessary to the healthy performance of their functions, and it is maintained by those who uphold this theory that by supplying the body artificially with an excess of oxygen there can be enough supplied for both.

To all these three theories, however, it is objected that they ought to be able to recognize by the microscopic analysis which make up so large a part of the physiology of the present day. It is affirmed by the opponents of the theories, that by the destruction of the pabulum, the leaving of the excrement or the deprivation of oxygen, any of these ought to be visible effects under the microscope. This criticism, while damaging, is not, however, believed to be conclusive, since the microscopic analysis is scarcely in a sufficiently advanced state to give so precise a result at present, but doubtless every day it is becoming more so.

THE SURVIVAL OF THE FITTEST.
Lastly, there is an ingenious theory, which is maintained by some rising physicians, that the whole phenomenon of germs and their immunity is due to the Darwinian law of "the survival of the fittest" in "the struggle for existence." According to these, the cells of the human body are themselves separate animal organisms, with an existence and life of their own. These germs enter into a regular combat with the disease germs, and when they come off victorious the body retains its strength; while when and where they are defeated the body succumbs to disease.

Now it is well known that in all things the prestige, if I may so call it, of victory leads to new victories; in other words, the troops which have overcome the enemy to-day are better fit to cope with him to-morrow than the new recruits. Applying this to the present instance, the upholders of this theory remark that by supplying a comparatively weak adversary, such as the vaccine virus, the cell germ gains an easy victory, which so strengthens its powers that it is able to combat successfully with new adversaries in the shape of disease germs afterward.

This theory accounts for all that is accounted for by any of the others, and also for the fact which has been constantly observed, namely, that immunity from disease is in direct proportion to the severity of the struggle, so that those who have once had a severe attack of any complaint are free from its approach for a longer period than those who have been affected with some milder adversary, for it is evident that the more severe the attack against which the cell germs have been able to contend the greater the strength and powers which they will have developed.—Paris Cor. Cincinnati Enquirer.

Curing the Habit of Mouth-Breathing.
When the habit of treatment it is first important that we understand mouth-breathing as a habit. An inherited form of teeth or lips may cause a tendency toward its acquisition, yet that it is a habit is evidenced by many cases in which it has been overcome merely by persistent effort. With infants its earliest evidences should be checked, as in the example of the Indian mother. The formation of the habit is thus avoided, and the child saved from a long train of injurious effects in the future. There is no danger of smothering, as the child will wake if the nose is obstructed. Mothers and nurses should see that these little noses are kept free, and they can save their charges from this unsightly affliction if they are only watchful.

With mature mouth-breathers much of the treatment rests with themselves. They must first have a physician or surgeon to remove any causes that interfere with the free passage of air through the nose. These may exist in the form of "catarrh," polyp, distorted septum, etc., all of which are curable. After this has been done the chances are for a complete recovery, because less perseverance will be required. Many will say that they can not keep their mouths closed while asleep. This is true, but if they persist and breathe only through the nose during the time they are awake, they will find that their mouths will remain closed when they sleep. It must be remembered that no habit can be cured in a short time. The most constant watchfulness will be required for months, and perhaps for years, but it will ultimately be rewarded by a cure.—Hall's Journal of Health.

General Advertisements.

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THIS POPULAR BINDERY, located at 106 Fort Street, ADVERTISES NO SPECIALITIES, but is able to do ALL SORTS, sizes, and conditions of Book-binding, Ruling, Perforating, Numbering, Lettering, and Paper-cutting as well as in San Francisco, and at moderate prices.

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10th	\$253.00	\$2,755.00
11th	\$287.50	\$3,005.00
12th	\$322.50	\$3,250.00
13th	\$358.00	\$3,490.00
14th	\$393.75	\$3,725.00
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THE DAILY HERALD.

To-day, September 1st, 1886, is issued the first number of THE DAILY HERALD, a morning newspaper, to be printed for the proprietor under contract by the "Press Publishing Company," Merchant street, Honolulu.

Price Six Dollars per Annum or Fifty Cents per Month.

All who receive a copy of the initial or any succeeding number are respectfully

INVITED TO SUBSCRIBE.

Business men are solicited to test the advantages of THE DAILY HERALD as an

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The DAILY HERALD will furnish a fresh and readable record of events in city and country. It will also give, from time to time as received, a summary of the latest news from the outside world, in concise and systematic form.

The DAILY HERALD will follow a straightforward, consistent, independent and moderate course in the discussion of public affairs. It will not be the servile organ of any clique, faction or party. At the same time an earnest support will be given to measures promotive of the public welfare, and to individuals or organizations that may appear in the political field, with claims to popular confidence backed by worthy records and unassailable principles.

The undersigned would, however, rather point to his record as a journalist in this city for the past two years, as conductor of the *Daily Bulletin*, than make promises that, in general estimation, are valueless, until justified by performance. He can only pledge himself to do his best to produce a thorough, influential, and in every way acceptable, daily newspaper.

Try the "Daily Herald" for a month at least.

DANIEL LOGAN,
Honolulu, Sept. 1, 1886.
Editor and Proprietor.

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T. S. SOUTHWICK, Secretary.

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Sacks Beans, White,

Sacks Beans, Red,

Sacks Beans, Bayou,

Sacks Beans, House,

Sacks Beans, Large

Sacks Potatoes, Best in GUNNIES

Cases Nectar,

Cases Extra Soda Crackers,

Cases Medium Bread,

Cases Cracked Wheat, 10 lb. bags,

Cases Corn Meal, white, 10 lb. bags,

Cases Corn Meal, 10 lb. bags,

Cases Corn Meal, 10 lb. bags,

Cases Corn Meal, 10 lb. bags,

Cases Fairbank's Lard, 5 lb. pail,

Cases Fairbank's Lard, 5 lb. pail,

Cases Fairbank's Lard, 10 lb. pail

Cases Whitney's Butter, in tins,

Half Sinks Butter, Gilt Edge,

Qr. Sinks Butter, Gilt Edge

Cases New Cheese.

Boxes and bbls. Salt Codfish,

Bbls. Thomas Columbia River Salmon

Cases Laundry Starch,

Boxes Brown Laundry Soap

Pure Java Coffee, Roasted and Ground, 1 lb. tins,

Sacks Green Coffee,

Cheese Japan Tea, 1 lb. papers,

Cheese Japan Tea, 1 lb. papers,

Cheese Japan Tea, 1 lb. papers,

Boxes Raisins, London Layers,

Boxes Raisins, London Layers,

Boxes Raisins, London Layers,

Drums Citron,

Boxes Currants,

Cases Chocolate,

Cases Mixed Pickles,

Cases Spices, assorted, all sizes

Sacks English Walnuts,

Sacks Soft Shell Almonds,

Cases California Honey, 1 lb. tins,

Cases King, Morse & Co's, fresh canned

Fruits, Jellies and Vegetables.